

TG-NSP35LV

Non-Silicone Thermal Putty

RoHS Compliant

Features

- Thermal Conductivity 3.5 W/mK
- Easily dispensable from manual, semi-automatic or fully automatic systems
- Full turn-key support from T-Global
- Low thermal impedance
- Low viscosity at room temperature
- Ultra-low compression forces
- High tack on most surfaces and reworkable
- Proven long term reliability

Applications

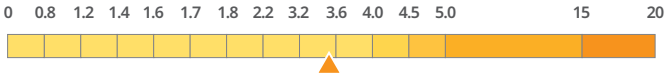
Consumer Electronics - Set-top boxes, IP routers, ECUs, Memory and Power modules

Standard Sizes

Syringe	Pot / Pail
30cc	0.45kg
55cc	2.2kg
	9kg
	36kg

Properties

Thermal Conductivity : 3.5 W/mK



Properties	TG-NSP35LV	Unit	Test Method
Thermal Conductivity	3.5	W/mK	ASTM D5470
Viscosity @ 25° C	1,000,000	1 sec^{-1}, cPs	Rheometer
Viscosity @ 50° C	750,000	1 sec^{-1}, cPs	Rheometer
Colour	Grey	-	Visual
Flow Rate (30cc syringe, 50psi @ 25° C)	8	g/min	T-Global
Specific Gravity @ 25° C	2.7	-	ASTM D-70
Anticipated Minimum Bond Lines	150	µm	-
Operating Temperature Range	-40~+200	° C	T-Global
Bleed @ 200° C, 24 hours	<0.3	%/Wt	ASTM 6814-17
Evaporation @ 200° C, 24 hours	<0.1	%/Wt	ASTM 6814-17
Dielectric Strength, 1.27mm gap	>12	kV/mm	ASTM D-149
Dielectric Strength, 1.27mm gap after exposure to 85° C/85% R.H. for 48 hours	>8	kV/mm	ASTM D-149
Dielectric Constant 25° C @1,000 Hz	5.0	-	ASTM D-150
Dissipation Factor 25° C @1,000 Hz	0.0027	-	ASTM D-150
Volume Resistivity, ohm-cm	2.15×10^{15}	ohm-cm	ASTM D-257
Shelf Life	60	months	T-Global

For full turn-key support, including design, testing, supply and installation of dispensing systems suitable for prototyping to fully automated volume production, please contact T-Global Technology.

T-Global Technology (Europe & North America) Limited

Version 1
20200710

Units 1-2 Cosford Business Park, Central Park, Lutterworth, Leicestershire, LE17 4QU, United Kingdom

T +44 (0)1455 553 510 **E** sales@tglobaltechnology.com **W** www.tglobaltechnology.com

(old version)

T-Global Technology are proud to announce the launch of a new company logo and mission statement as part of the ongoing growth and evolution of our company's brand.

NOTICE: The information contained herein is to the best of our knowledge true and accurate. Values stated in this technical data sheet represent typical values as not all tests are run on each lot of material produced. All specifications are subject to change without notice. The protective film does not affect the function of the product. If there is no special requirement, the default depends on T-Global. Since the varied conditions of potential use are beyond our control, all recommendations or suggestions are presented without guarantee or responsibility on our part and users should make their own test to determine the suitability of our products in any specific situation. This product is sold without warranty either expressed or implied, of fitness for a particular purpose or otherwise, except that this product shall be of standard quality, and except to the extent otherwise stated in T-Global Technology's invoice, quotation, or order acknowledgment.
We disclaim any and all liabilities incurred in connection with the use of information contained herein, or otherwise. All risks of such are assumed by the user. Furthermore, nothing contained herein shall be construed as a recommendation to use any process or to manufacture or to use any product in conflict with existing or future patents covering any product or material or its use.

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

t-Global Technology:

T68APF-270-270-0.045 TG-A4500-30-30-3.0 TG-A482K-15-15-0.1-0 TG-A6200-20-20-1.5
TG-AL373-100-100-1.0-1A TG-APC93-150-150-1.0-0 TG-T1000-28-28-0.25-5PT TG-A373F-300-300-0.25-1A
TG-A373S-310-310-2.0-1A TG-AH486-310-310-10.0-1A XL25W-TO220-18.5-12-1 TG-A3500F-310-310-0.5
DC0019/02-TG-A482K-0.1-0 TG-A1450-25-25-2.0 TG-A1780-40-40-2.0 TG-A373S-310-310-3.0-1A
TG-A20KX-190-140-3.0 TG-A9000-40-40-0.8 TG-AL373-150-150-1.0-0 GT20-150-150-0.3-0
TG-A20KF-285-190-4.0-1A TG-AL373-19.5-12.7-0.5-0 TG-A1250-5-5-1.5 TG-A3500-10-10-0.5
TG-A373F-150-150-0.25-2A T62-1-15-15-0.16 T68A-270-270-0.055 TG-A1250-20-20-5.0
TG-A1450-20-20-0.5 TG-T1000-36-18-0.25-5PT